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Research Article

Platform Innovation, Mutural Benefits Between Robot and Human Nursery

Da-Yong Lu[1*], Yu-Zheng Chen[2], Da-Feng Lu[2]

[1]School of Life Sciences, Shanghai University, Shanghai200444, PRC

[2]The Second Hospital of Neijiang District, Sichuan Province, PRC

Abstract

A great proportion of healthcare efforts need high-quality medication and nursery. For high-quality nursery and system establishment, innovation of thoughts and techniques is the key. Currently, nurse service advances contains two major domains—specific technique progresses and accumulation of growing amounts of medical knowledge. It is suitable to different patterns of educational and clinical systems. This editorial addresses this part of medical challenges and new technology—robot nurses and their future trends.

Keywords: Healthcare; Nursing; Medical Service; Modern Technology; Robots

Introduction

A great proportion of healthcare efforts need high-quality medication and nursery. For high-quality nursery, innovation is the key. Currently, nurse service progress contains two major domains—specific technique advancement and accumulation of new medical knowledge. It is suitable to different patterns of educational and clinical systems. This editorial addresses this part of medical challenges of nursery of new technology—robot nurses.

Clinical situation

Today, a half of major diseases are chronic diseases. Their treatments and recovery processes are not defined in operation-room (surgery), but getting better in the bedside—medication (drugs, nutrition and instruments) as well as nursery service (physical burden or spiritual details) [1-4]. Healthcare services, especially nursery needs great physical or spiritual capability [5-10]. A great deal of chronic or dying patient in general hospitals or healthcare centers needs prolonged and exhaustic nursing service. Some ways of application and promotion for nursery can reduce therapeutic costs without significant compromising clinical obstacle and outcomes [11-17].

New systems

The promotion of the quality and scope of medical healthcare and nursing activity has different approaches. Many medical challenges and advances for nursery emerged. Considering the low feedbacks of nursery services in costs and mentally supporting, it is a dilemma and challenge for graduall widening of nursery service now. Nersery robots is the important advance in nursery services and applications in this areas.

Methods

Different applications

The application of nursery robots is categorizing. Table 1 shows a glimpse of major skills for nursery robots. (Table 1)

***Corresponding Author:**

Da-Yong Lu, 1School of Life Sciences, Shanghai University, Shanghai 200444, PRC.

E-mail: ludayong@shu.edu.cn

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Table 1. A nursery robots for major applications

Technical types	Major applications
Diagnosis	Repeated testing and realtime monitor
Information providers	Remind of pill intake or life routines
24 hour service	Enduring physical or spiritual demanding properly
Reduction of costs of medication	Save the costs of service bills (human service cuts)
Working areas	Well applications for all disease treatments
Availability	More energy and capability for patients
Pediatric	Helping-hands for the children

Nursery Skills for Robots

Nurses can improve patient's health care a great deal. System developments for nursery capability and education are indispensable [14-15]. Hospitals and healthcare centers provide nursery robots according to their own avalability. Excellent health care services and nursery robots should be targeted to most patients in high-quality and a great patience. (Table 2)

Table 2. Different categories of nursery robots

Category	Specificity	Sources
Medical	General medical knowledge and diagnosis	Schools & hospitals
Technical	Skills and routine	Hospital services
Quality	Writing, patience, Communication	Schools
Psychology	Psychological condition health	Working-place

Discussion

Nursery service is relatively hardworking, laborlous and repetition. Few nurses are like these experiences worldwide. It needs precise and endurable services. Robot nurses is one of the best ways to tackle with previous human service.

Cost-reduction is also one factor to consider. Since global nerses now is rather under-paid comparing with other professions. Utility of robots can be helpful for the service in relative low costs (electric bill). We believe this discipline of nurses will thrive in near future.

Future Trends

The service and quality of nursery robots will be gradually improving in many areas. It contains areas as

- Large-scale production of nursery robots. That makes cost reduction of individual robots
- Integration knowledge and personalized medicine for promoting clinical trials [18-21]
- Availability and popularity of this service in more areas or disciplines with artificial intelligence or others [22-25]
- Interaction between patients, doctors and nurses by facilitated systems [26]

Conclusion

Nursery robots may play unique roles for patient treatments and recovery. However, nursery robots are relatively cost-effective. To promote these kinds of medical and technical work, high-quality robot capability pursuing and technical growths should be aimed.

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